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VAX Systems Summary

Complete family of proven, superior performance systems

The VAX family includes a broad range of 100 percent compatible systems from workgroup to enterprise computing, ensuring that there is a system for your computing needs. Systems are expandable to more than 1,000 TPS of performance.

Every member of the VAX family of systems supports the same operating systems and applications and offers the same high levels of functionality and openness.

VAX systems are built upon extremely fast microprocessors for outstanding performance. Their fast CMOS IV CPUs are combined with advanced, high speed I/O subsystems, large memory capacities, and the largest storage devices to create very well-balanced systems. Their performance is complemented by low initial cost and low maintenance cost to create a level of price/performance that meets your toughest qualifications.

One of the features of VAX systems is that they are "Alpha-ready." If you have a VAX system, you have already made most of the investments necessary for an Alpha AXP system. For example, the skills you have learned on OpenVMS systems are the same skills you will need for an OpenVMS Alpha AXP system. And the applications and data will be the same too. Additionally, each VAX system has a clear upgrade path to Alpha AXP. System features for data protection and high availability keep your business-critical applications running around the clock. Designed for uptime, VAX systems include built-in features that ensure data integrity, security, and reliability. And if your needs grow, they offer you many ways to expand, including symmetric multi-processing, networking and clustering. Several clustering options are available, ranging from a cluster of systems in a single office to a cluster of systems located hundreds of kilometers apart.

The superior features of VAX systems make them well equipped to meet your most demanding needs now and well into the future.

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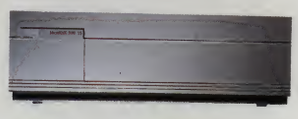
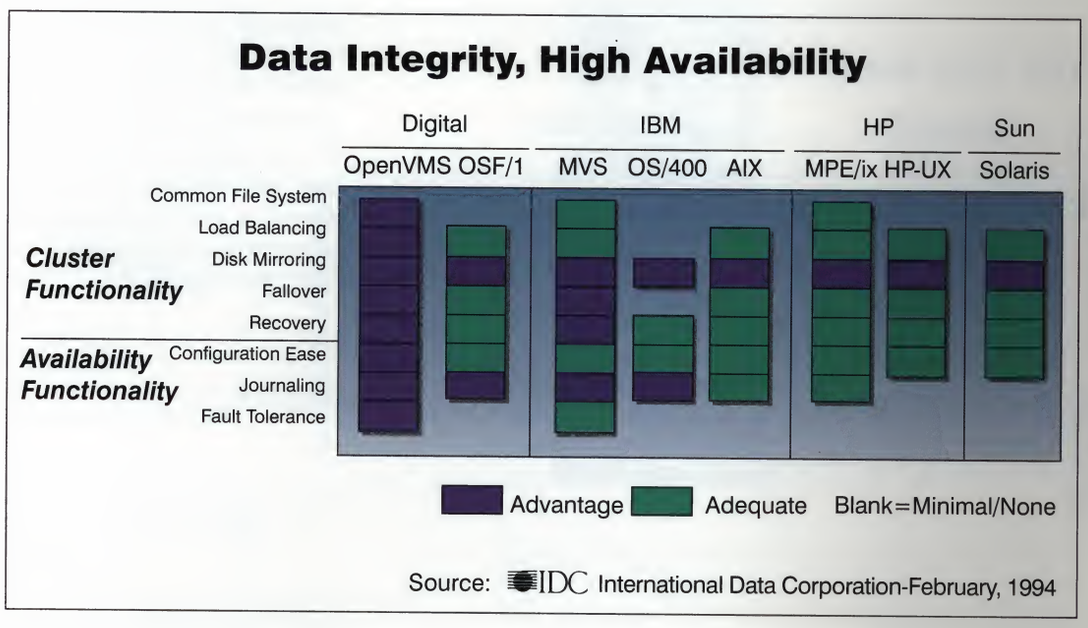
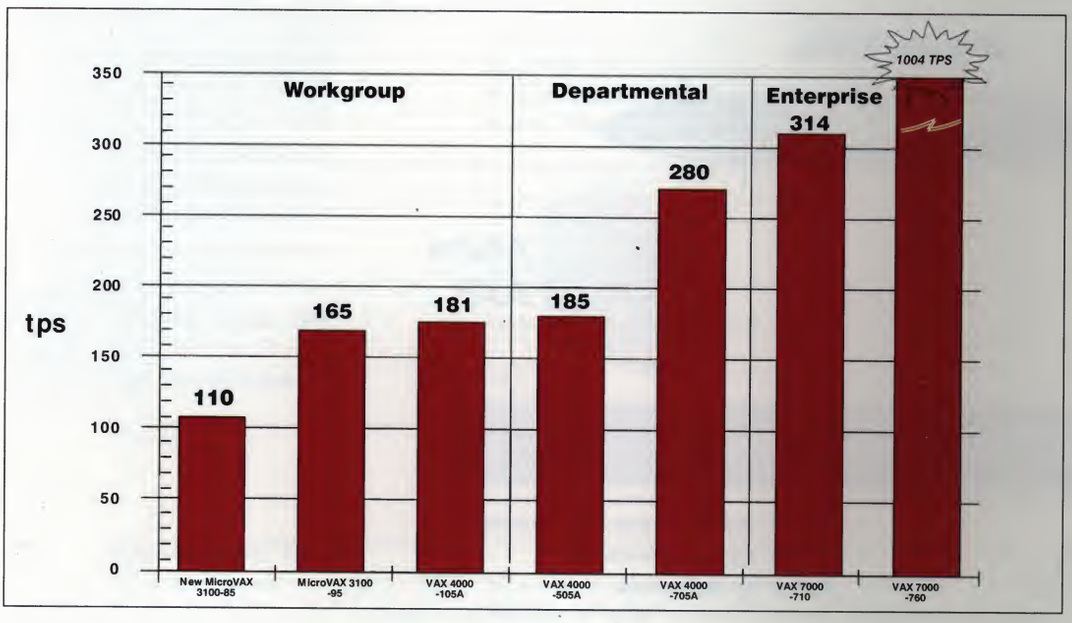


System	VAXstation 4000 VLC, Model 60, and Model 90 Workstations	MicroVAX 3100 Models 40, 85, and 95 Desktop Systems
Performance	VLC: 6.2 SPECmark89 Model 60: 12.0 SPECmark89 Model 90A: 38.5 SPECmark89	Model 40: 39 TPS Model 85: 110 TPS Model 95: 165 TPS
Number of processors	1	1
CPU clock speed	VLC: 25 MHz Model 60: 55 MHz Model 90A: 83.3 MHz	Model 40: 25 MHz Model 85: 62.5 MHz Model 95: 83.3 MHz
Cache size (on chip/on board)	VLC: 8 KB/0 KB Models 60 and 90A: 2 KB/256 KB	Model 40: 6 KB/6 KB Model 85: 10 KB/512 KB Model 95: 10 KB/512 KB
In-cabinet CPU upgrade	Model 60 upgrades to Model 90A	Model 40 upgrades to Model 85 or 95 Model 85 upgrade to Model 95
ADVANTAGE-UPGRADE path to Alpha AXP	VLC upgrades to DEC 3000 Model 300 AXP workstation Models 60 and 90A upgrade to DEC 3000 Models 700 and 900 AXP workstations	System upgrades to DEC 2000 Model 300 AXP and DEC 3000 Models 600S and 800S AXP servers
I/O features		
Maximum memory capacity	VLC: 24 MB Model 60: 104 MB Model 90A: 128 MB	Model 40: 32 MB Model 85: 128 MB Model 95: 128 MB
Maximum disk capacity (in cabinet/total)	VLC: 245 MB/8.5 GB Models 60 and 90A: 2.1 GB/9.3 GB	Model 40: 14.7 GB Model 85: 29.4 GB Model 95: 29.4 GB
Maximum I/O bandwidth	VLC: 5 MB/s Models 60 and 90A: 10 MB/s	4 MB/s
I/O support	VLC: SCSI, Ethernet Models 60 and 90A: SCSI, Ethernet, 1-slot TURBOchannel Model 90A: FDDI	1 SCSI (40) 2 SCSI, Ethernet (85) 2 SCSI, 2 Ethernet (95)
High-availability features		
OpenVMS Clusters	All models: Ethernet Model 90A: FDDI	Ethernet
High-availability features supported	Disk shadowing	Disk shadowing
Software features		
Operating systems	OpenVMS, VAXELN	OpenVMS

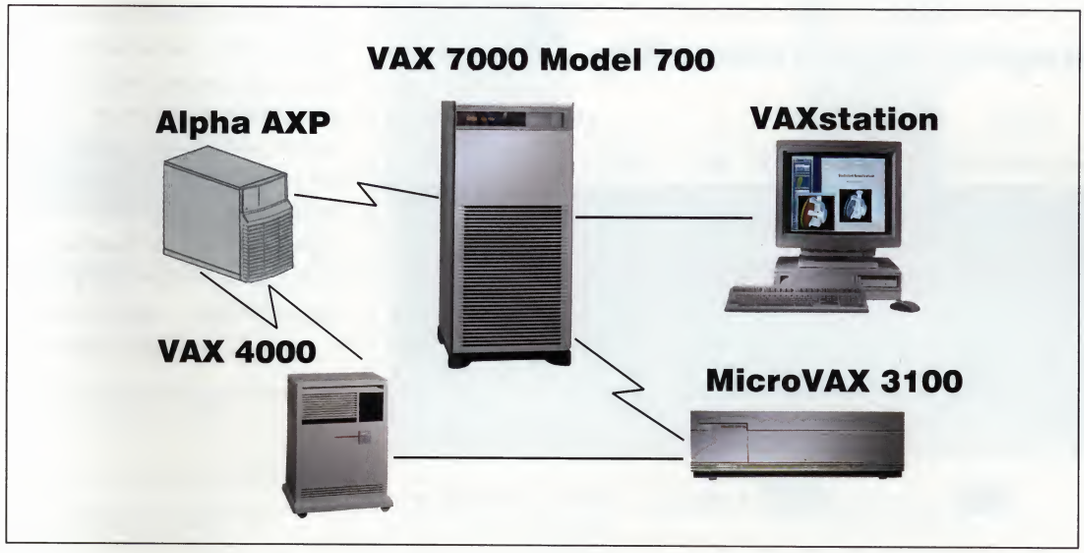
VAX 4000 Model 105A Desktop System	VAX 4000 Models 505A and 705A Department/Distributed Systems	VAX 7000 Data Center Systems
Model 105A: 181 TPS	Model 505A: 185 TPS Model 705A: 280 TPS	Model 710: 314 TPS Model 760: 1,004 TPS
1	1	Up to 6
Model 105A: 83.3 MHz	Model 505A: 83.3 MHz Model 705A: 111 MHz	137 MHz per processor
Model 105A: 10 KB/512 KB	Model 505A: 512 KB Model 705A: 2 MB	10 KB/4 MB per processor
	Each VAX 4000 pedestal system upgrades to any higher model VAX 4000 system	To symmetric multiprocessing VAX CPUs, and to Alpha AXP CPUs In-cabinet CPU upgrade to DEC 7000 AXP system
System upgrades to DEC 3000 Models 600S and 800S AXP servers System upgrades to Digital 2100 A500MP Servers	System upgrades to DEC 4000 AXP system System upgrades to Digital 2100 A500MP Servers	
128 MB	512 MB	3.5 GB
4.8 GB/75 GB	14.4 GB/500 GB	42 GB/Over 10 TB
16.3 MB/s	20.3 MB/s	400 MB/s
2 DSSI 1 SCSI, 3 Ethernet, Q-bus	6 DSSI, Q-bus 3 Ethernet	4 XMI, 10 CI, 24 DSSI, 8 FDDI, 16 Ethernet, 12 SDI, 6 VAXBI, 8 VME
Ethernet, DSSI, FDDI	Ethernet, DSSI	Ethernet, DSSI, CI, FDDI
Disk shadowing, uninterruptible power supply	Disk shadowing, uninterruptible power supply	Disk shadowing, N+1 redundant power system, integrated uninterruptible power system, integrated power conditioning
OpenVMS	OpenVMS	OpenVMS



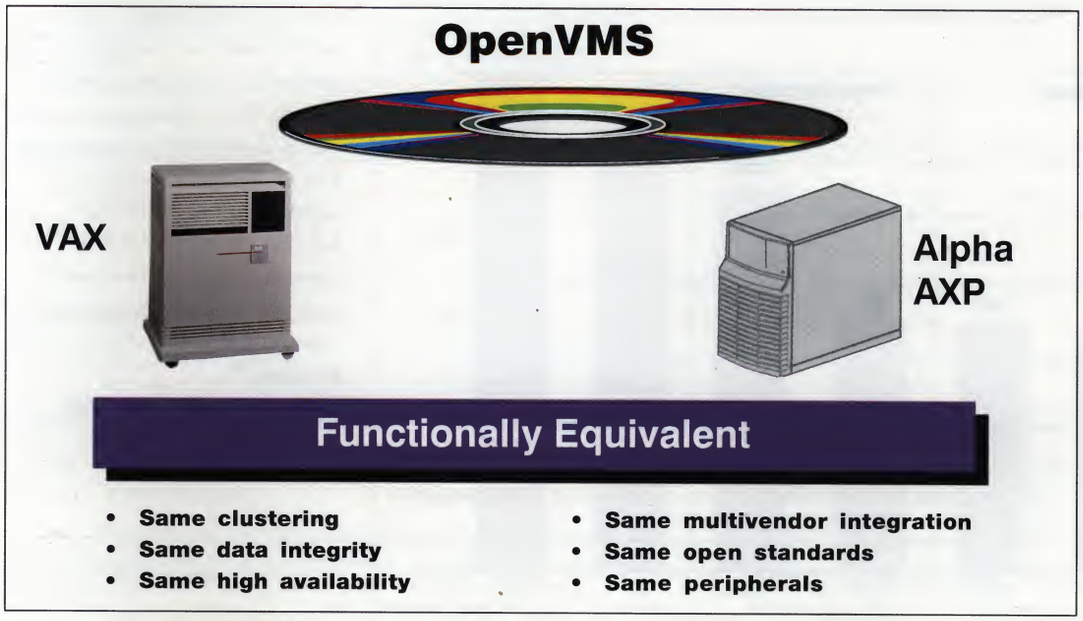
OpenVMS systems have proven functionality that ensures your data, applications, and other computing resources are safe, secure, and always available. All are vital elements of business critical computing. Only IBM's expensive MVS environment even comes close to this kind of dependability.



Today's Alpha-ready VAX servers also provide superior performance and price/performance. They offer up to 5 to 10 times higher TPS (Transactions Per Second) and double the storage capacity and I/O bandwidth of older VAX systems. And you can easily upgrade these VAX systems to current and future Alpha AXP systems.



Alpha AXP systems work together with other OpenVMS systems. They connect to the same networks and clusters, run the same applications, have the same user interface, and use the same data. Alpha AXP systems also integrate with systems from other vendors.



Today, OpenVMS is functionally equivalent on both the VAX and Alpha AXP platforms. OpenVMS AXP provides the same user environment, programmer environment, security services, system management environment, open standards compliance, and system-integrated products that OpenVMS VAX customers value to run their business.

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Exceptional service and support

Digital supports the VAX family of systems with a full range of system management, network management, training, administration, recovery, and support services to meet your individual needs.

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For more information on the VAX family of systems or specific service information, please contact your local Digital Sales Representative or an Authorized Business Partner.

Digital will conduct its business in a manner that conserves the environment.

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